

WHAT IS CLAIMED IS:

1. An ophthalmic apparatus comprising:
optometry means for examining or measuring a patient's eye to obtain measurement data on the eye;
photographing means for photographing the eye;
identification code generating means for extracting a characteristic, which is inherently unique to the eye, from an image of the eye photographed by the photographing means and generating an identification code for the use of eye identification based on the extracted characteristic; and
output means for outputting obtained measurement data in association with the generated identification code.

2. The ophthalmic apparatus according to claim 1, wherein the identification code generating means generates the identification code based on an iris pattern of the eye.

3. The ophthalmic apparatus according to claim 1, wherein the identification code generating means generates different identification codes for a right eye and a left eye of the same patient, and

the output means separately outputs the measurement data on the right eye and the left eye in association with the identification codes that correspond to each eye.

4. The ophthalmic apparatus according to claim 1, wherein the photographing means includes at least one selected from a group of a camera for photographing an anterior eye segment, a camera for alignment and a camera for optometry that is included in the optometry means.

5. The ophthalmic apparatus according to claim 1, wherein the optometry means includes at least one selected from a group of objective refractive power measuring means, subjective refractive power measuring means, corneal shape measuring means, intraocular pressure measuring means, ophthalmic photographing means and ophthalmic analyzing means.

6. An ophthalmic apparatus comprising:
photographing means for photographing a patient's eye;

identification code generating means for extracting a characteristic, which is inherently unique to the eye, from an image of the eye photographed by the photographing means and generating a first identification code for the use of eye identification based on the extracted characteristic;

input means for inputting measurement data on the eye obtained by a different ophthalmic apparatus in association with a second identification code, which is generated in the same form as the first identification code;

comparison means for comparing the first identification code and the second identification code to see if they match; and

informing means for informing a result of the comparison by the comparison means.

7. The ophthalmic apparatus according to claim 6, wherein the identification code generating means generates the first identification code based on an iris pattern of the eye.

8. The ophthalmic apparatus according to claim 6,

002090 2643560
further comprising:

surgery means for performing surgery on the eye; and
restricting means for restricting the surgery
performed by the surgery means based on the result of the
comparison by the comparison means.

9. The ophthalmic apparatus according to claim 6,
wherein the identification code generating means generates
different first identification codes for a right eye and a left
eye of the same patient, and

the input means separately inputs the measurement
data on the right eye and the left eye in association with the
second identification codes that correspond to each eye.

10. The ophthalmic apparatus according to claim 6,
further comprising: X

surgery means for performing surgery on the eye; and
eye designating means for designating whether an eye
to be operated is a right eye or a left eye, and wherein

the input means separately inputs the measurement
data on the right eye and the left eye in association with the
second identification codes that correspond to each eye, and

the comparison means compares the first
identification code and the second identification code of the
eye designated by the eye designating means to see if they match.

11. The ophthalmic apparatus according to claim 6,
further comprising:

surgery means for performing surgery on the eye;
arithmetic means for obtaining surgery data from the

inputted measurement data, wherein the second identification code in association with the inputted measurement data is assigned to the surgery data; and

control means for controlling the surgery means based on the obtained surgery data, and wherein

the comparison means compares the first identification code and the second identification code assigned to the surgery data to see if they match.

12. The ophthalmic apparatus according to claim 6, wherein the photographing means includes at least either a camera for photographing an anterior eye segment or a camera for alignment.

13. A method for managing ophthalmic data comprising steps of:

inputting measurement data on a patient's eye, to which an identification code is assigned, the identification code being generated based on a characteristic, which is inherently unique to the eye;

comparing the identification codes assigned to the inputted measurement data to see if they match in the case where a plurality of measurement data are inputted; and

storing the measurement data in association with at least one identification code that is obtained by integrating the identification codes if it is judged that the identification codes match.

14. The method according to claim 13, further comprising a step outputting measurement data selected from

the stored measurement data, wherein the identification code is assigned to the selected measurement data.

15. An ophthalmic apparatus comprising:

input means for inputting measurement data on a patient's eye, to which an identification code is assigned, the identification code being generated based on a characteristic, which is inherently unique to the eye;

comparison means for comparing the identification codes assigned to the inputted measurement data to see if they match in the case where a plurality of measurement data are inputted; and

storage means for storing the measurement data in association with at least one identification code that is obtained by integrating the identification codes if it is judged that the identification codes match.

16. The ophthalmic apparatus according to claim 15, further comprising output means for outputting measurement data selected from the stored measurement data, wherein the identification code is assigned to the selected measurement data.

17. An ophthalmic system comprising an ophthalmic apparatus and a data management apparatus, wherein the ophthalmic apparatus includes:

optometry means for examining or measuring a patient's eye to obtain measurement data on the eye;

photographing means for photographing the eye;

identification code generating means for extracting

002090 22643560

a characteristic, which is inherently unique to the eye, from an image of the eye photographed by the photographing means and generating an identification code for the use of eye identification based on the extracted characteristic; and

output means for outputting obtained measurement data in association with the generated identification code, and the data management apparatus includes:

input means for inputting the outputted measurement data in association with the identification code;

comparison means for comparing the identification codes assigned to the inputted measurement data to see if they match in the case where a plurality of measurement data are inputted; and

storage means for storing the measurement data in association with at least one identification code that is obtained by integrating the identification codes if it is judged that the identification codes match.

18. The ophthalmic system according to claim 17, comprising a plurality of ophthalmic apparatus.

50% 19. An ophthalmic system comprising an ophthalmic apparatus and a surgery apparatus, wherein the ophthalmic apparatus includes:

optometry means for examining or measuring a patient's eye to obtain measurement data on the eye;

first photographing means for photographing the eye;

first identification code generating means for

extracting a characteristic, which is inherently unique to the eye, from an image of the eye photographed by the first photographing means and generating a first identification code for the use of eye identification based on the extracted characteristic; and

output means for outputting obtained measurement data in association with the generated first identification code, and the surgery apparatus includes:

surgery means for performing surgery on the eye;
second photographing means for photographing the eye;

second identification code generating means for extracting the characteristic, which is inherently unique to the eye, from an image of the eye photographed by the second photographing means and generating a second identification code for the use of eye identification in the same form as the first identification code based on the extracted characteristic;

input means for inputting the outputted measurement data in association with the first identification code;

comparison means for comparing the first identification code and the second identification code to see if they match; and

informing means for informing a result of the comparison by the comparison means.

20. The ophthalmic system according to claim 19, wherein the surgery apparatus further includes restricting

means for restricting the surgery performed by surgery means
based on the result of the comparison by comparison means.

Add
CY

002050 264350